

ABSTRACT

A traffic manager to manage flows to a plurality of remote physical ports. The traffic manager employs two tiers of shaping and scheduling
5 driven by performance characteristics of the remote physical ports. By modeling the remote physical ports within the traffic manager, flows to the physical ports can be controlled to arrive at a rate the physical ports can handle. Any backup that would otherwise occur in the queue at the physical ports is instead queued in the traffic manager. In this manner, the intelligence
10 of the traffic manager can be leveraged to provide improved quality of service with existing infrastructure.

Approved for Release